



## SEQUENCE LISTING

002.190.ST25.txt

RECEIVED

NOV 07 2003

TECH CENTER 1600/2900

<110> Muimo, Richard  
Mehta, Anil

<120> METHODS OF DETERMINING ALTERED NDPK FUNCTIONS AND THE DIAGNOSIS OF CYSTIC FIBROSIS

<130> 002.00190

<140> 09/944,030

<141> 2001-08-31

<150> PCT/GB00/00736

<151> 2000-03-02

<160> 12

<170> PatentIn version 3.1

<210> 1

<211> 14

<212> PRT

<213> Homo sapiens

<400> 1

Lys Glu Asn Ile Ile Phe Gly Val Ser Tyr Asp Glu Tyr Arg

1 5 10

<210> 2

<211> 14

<212> PRT

<213> Ovis aries

<400> 2

Lys Asp Asn Ile Ile Phe Gly Val Ser Tyr Asp Glu Tyr Arg

1 5 10

<210> 3

<211> 13

<212> PRT

<213> Homo sapiens

<400> 3

Lys Glu Asn Ile Ile Gly Val Ser Tyr Asp Glu Tyr Arg

1 5 10

<210> 4

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide of F508 region of ovine wild-type cftr with added terminal cysteine

<400> 4

Lys Asp Asn Ile Ile Phe Gly Val Ser Tyr Asp Glu Tyr Arg Cys  
1 5 10 15

<210> 5

<211> 15

<212> PRT

<213> Mus musculus

<400> 5

Ser Glu Glu Leu Ala Val Asn Asp Asp Leu Ala Asp Ser Ala Arg  
1 5 10 15

<210> 6

<211> 12

<212> PRT

<213> Mus musculus

<400> 6

Val Leu Asp Leu Glu Leu Lys Gly Asp Ile Glu Lys  
1 5 10

<210> 7

<211> 346

<212> PRT

<213> Bos taurus

<400> 7

Met Ala Met Val Ser Glu Phe Leu Lys Gln Ala Trp Phe Ile Glu Asn  
1 5 10 15

Glu Glu Gln Glu Tyr Ile Lys Thr Val Lys Gly Ser Lys Gly Gly Pro  
20 25 30

Gly Ser Ala Val Ser Pro Tyr Pro Thr Phe Asn Pro Ser Ser Asp Val  
35 40 45

Glu Ala Leu His Lys Ala Ile Thr Val Lys Gly Val Asp Glu Ala Thr  
50 55 60

Ile Ile Glu Ile Leu Thr Lys Arg Asn Asn Ala Gln Arg Gln Gln Ile  
65 70 75 80

Lys Ala Ala Tyr Leu Gln Glu Lys Gly Lys Pro Leu Asp Glu Val Leu  
85 90 95

Lys Lys Ala Leu Leu Gly His Leu Glu Glu Val Val Leu Ala Leu Leu  
100 105 110

Lys Thr Pro Ala Gln Phe Asp Ala Glu Glu Leu Arg Ala Ala Met Lys  
115 120 125

Gly Leu Gly Thr Asp Glu Asp Thr Leu Asn Glu Ile Leu Ala Ser Arg  
130 135 140

Thr Asn Arg Glu Ile Arg Glu Ile Asn Arg Val His Arg Glu Glu Leu  
145 150 155 160

Lys Arg Asp Leu Ala Lys Asp Ile Ala Ser Asp Thr Ser Gly Asp Tyr  
165 170 175

Glu Lys Ala Leu Leu Ala Leu Ala Lys Gly Asp Arg Ser Glu Glu Leu  
180 185 190

Ala Val Asn Asp Asp Leu Ala Asp Ser Asp Ala Arg Ala Leu Tyr Glu  
195 200 205

Ala Gly Glu Arg Arg Lys Gly Thr Asp Val Asn Val Phe Thr Thr Ile  
210 215 220

Leu Thr Thr Arg Ser Tyr Pro His Leu Arg Arg Val Phe Gln Lys Tyr  
225 230 235 240

Ser Lys Tyr Ser Lys His Asp Met Asn Lys Val Leu Asp Leu Glu Leu  
245 250 255

Lys Gly Asp Ile Glu Lys Cys Leu Thr Val Ile Val Lys Cys Ala Thr  
260 265 270

Ser Gln Pro Met Phe Phe Ala Glu Lys Leu His Gln Ala Met Lys Gly

275

280

Ile Gly Thr Arg His Lys Thr Leu Ile Arg Ile Met Val Ser Arg Ser  
290 295 300

Glu Ile Asp Met Asn Asp Ile Lys Ala Cys Tyr Gln Lys Leu Tyr Gly  
305 310 315 320

Ile Ser Leu Cys Gln Ala Ile Leu Asp Glu Thr Lys Gly Asp Tyr Glu  
325 330 335

Lys Ile Leu Val Ala Leu Cys Gly Arg Asp  
340 345

<210> 8  
<211> 67  
<212> PRT  
<213> Oryctolagus cuniculus

<400> 8

Arg Ser Tyr Leu His Leu Arg Arg Val Phe Gln Lys Tyr Ser Lys Tyr  
1 5 10 15

Ser Gln His Asp Met Asn Lys Val Leu Asp Leu Glu Leu Lys Gly Asp  
20 25 30

Ile Glu Lys Cys Leu Thr Ala Ile Val Gln Cys Ala Thr Cys Lys Pro  
35 40 45

Ala Tyr Phe Ala Glu Lys Leu Tyr Gln Ala Met Lys Gly Ala Gly Thr  
50 55 60

Arg His Lys  
65

<210> 9  
<211> 67  
<212> PRT  
<213> Homo sapiens

<400> 9

Arg Ser Tyr Pro Gln Leu Arg Arg Val Phe Gln Lys Tyr Thr Lys Tyr  
1 5 10 15

Ser Lys His Asp Met Asn Lys Val Leu Asp Leu Glu Leu Lys Gly Asp  
20 25 30

Ile Glu Lys Cys Leu Thr Ala Ile Val Lys Cys Ala Thr Cys Lys Pro  
35 40 45

Ala Phe Phe Ala Glu Lys Leu His Gln Ala Met Lys Gly Val Gly Thr  
50 55 60

Arg His Lys  
65

<210> 10  
<211> 67  
<212> PRT  
<213> Bos taurus

<400> 10

Arg Ser Tyr Pro His Leu Arg Arg Val Phe Gln Lys Tyr Ser Lys Tyr  
1 5 10 15

Ser Lys His Asp Met Asn Lys Val Leu Asp Leu Glu Leu Lys Gly Asp  
20 25 30

Ile Glu Lys Cys Leu Thr Val Ile Val Lys Cys Ala Thr Ser Gln Pro  
35 40 45

Met Phe Phe Ala Glu Lys Leu His Gln Ala Met Lys Gly Ile Gly Thr  
50 55 60

Arg His Lys  
65

<210> 11  
<211> 67  
<212> PRT  
<213> Mus musculus

<400> 11

Arg Ser Phe Pro His Leu Arg Arg Val Phe Gln Asn Tyr Gly Lys Tyr  
1 5 10 15

002.190.ST25.txt

Ser Gln His Asp Met Asn Lys Ala Leu Asp Leu Glu Leu Lys Gly Asp  
20 25 30

Ile Glu Lys Cys Leu Thr Thr Ile Val Lys Cys Ala Thr Ser Thr Pro  
35 40 45

Ala Phe Phe Ala Glu Lys Leu Tyr Glu Ala Met Lys Gly Ala Gly Thr  
50 55 60

Arg His Lys  
65

<210> 12  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 12

Thr Ala Ser Gly Val Ala Glu Thr Thr Asn Cys  
1 5 10